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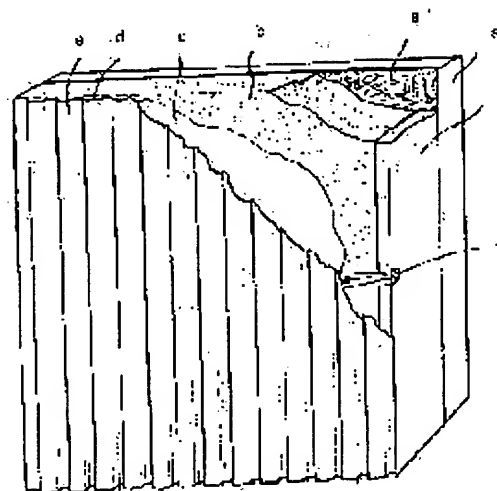
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(54) HEAT INSULATING STRUCTURE AND ITS WORK EXECUTION METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a heat insulating structure which does not generate dew condensation and icing and has a preferable construction time and outstanding work execution properties by forming the heat insulating structure which is used for a refrigerated storage by arranging an outer packaging base material, a continuous bubble hard urethane foam layer, a moisture permeable sheet or plate, an aerating layer, and an inside inner base material sequentially from the open air side.

SOLUTION: As an outer packaging base material (a), which constructs an outer wall of a building and is not especially restricted, reinforced concrete or others are provided. When this outer packaging base material (a) does not work as a moisture-proof layer, after a moisture-proof layer (a') is attached on the base material (a), a continuous bubble hard urethane foam layer (b) is formed on it by injecting construction in the field. Next, a moisture permeable sheet (c) such as a glass-wool thermal insulating material and others is attached, and an aerating layer (d) is formed on it. This aerating layer (d) is an air layer between an inside inner base material and the moisture-proof sheet/continuous bubble hard polyurethane foam. When a folding metal plate is used for the inside inner base material (e), the aerating



layer (d) is formed by using projecting parts of the folding plate.

LEGAL STATUS

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